

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/564,769
Source: IFWP
Date Processed by STIC: 8/10/06

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IFWP

RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/564,769

TIME: 11:33:35

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08102006\J564769.raw

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3 <110> APPLICANT: DeveloGen AG fur entwicklungsbiologische Forschung
5 <120> TITLE OF INVENTION: Use of a DG001 secreted protein product for preventing
6     and treating pancreatic diseases and/or obesity and/or
7     metabolic syndrome
9 <130> FILE REFERENCE: 31160PWO_GE
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/564,769
C--> 12 <141> CURRENT FILING DATE: 2006-01-17
14 <150> PRIOR APPLICATION NUMBER: EP03016169.9
15 <151> PRIOR FILING DATE: 2003-07-16
17 <160> NUMBER OF SEQ ID NOS: 5
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1300
23 <212> TYPE: DNA
24 <213> ORGANISM: human
26 <220> FEATURE:
27 <221> NAME/KEY: gene
28 <222> LOCATION: (1)..(1300)
29 <223> OTHER INFORMATION: nucleic acid sequence encoding the human DG001
30     protein
32 <400> SEQUENCE: 1
33 ctctccctcc ctgcgccagc cttcgtcctc ctggcccgct cctctcatcc ctcccattct 60
34 ccatttcctt tccgttcctt ccctgtcagg gcgtaattga gtcaaaggca ggatcagggt 120
35 cccgccttcc cagtccaaaa atcccgccaa gagagcccca gagcagagga aaatccaaag 180
36 tggagagagg ggaagaaaga gaccagttag tcatccgtcc agaaggcggg gagagcagca 240
37 gcggcccaag caggagctgc agcgagccgg gtacctggac tcagcggtag caacctcgcc 300
38 ccttgcaaca aaggcagact gagcgccaga gaggacgttt ccaactcaaa aatgcaggct 360
39 caacagtacc agcagcagcg tcgaaaattt gcagctgcct tcttggcatt cattttcata 420
40 ctggcagctg tggatactgc tgaagcaggg aagaaagaga aaccagaaaa aaaagtgaag 480
41 aagtctgact gtggagaatg gcagtggagt gtgtgtgtgc ccaccagtgg agactgtggg 540
42 ctgggcacac gggagggcac tcggactgga gctgagtgca agcaaaccat gaagacccag 600
43 agatgtaaga tcccctgcaa ctggaagaag caatttggcg cggagtgcaa ataccagttc 660
44 caggcctggg gagaatgtga cctgaacaca gccctgaaga ccagaactgg aagtctgaag 720
45 cgagccctgc acaatgccga atgccagaag actgtcacca tctccaagcc ctgtggcaaa 780
46 ctgaccaagc ccaaacctca agcagaatct aagaagaaga aaaaggaagg caagaaacag 840
47 gagaagatgc tggattaaaa gatgtcacct gtggaacata aaaaggacat cagcaaacag 900
48 gatcagttaa ctattgcatt tatatgtacc gtaggctttg tattcaaaaa ttatctatag 960
49 ctaagtacac aataagcaaa aacaaaaaga aaagaaaatt tttgtagtag cgttttttaa 1020
50 atgtatacta tagtaccagt aggggcttat aataaaggac tgtaatctta tttaggaagt 1080
51 tgacttatag tacatgataa atgatagaca attgaggtaa gttttttgaa attatgtgac 1140
52 attttacatt aaattttttt tacatttttt gggcagcaat ttaaagtta tgactatgta 1200
53 aactacttct cttgttaggt aatttttttc acctagattt ttttcccaat tgagaaaaat 1260
54 atatactaaa caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1300

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57 <210> SEQ ID NO: 2
58 <211> LENGTH: 168
59 <212> TYPE: PRT
60 <213> ORGANISM: human
62 <220> FEATURE:
63 <223> OTHER INFORMATION: amino acid sequence of human DG001 protein
65 <400> SEQUENCE: 2
66 Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
67   1             5             10             15
69 Phe Leu Ala Phe Ile Phe Ile Leu Ala Val Asp Thr Ala Glu Ala
70             20             25             30
72 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
73             35             40             45
75 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
76             50             55             60
78 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
79             65             70             75             80
81 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
82             85             90             95
84 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
85             100            105            110
87 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
88             115            120            125
90 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
91             130            135            140
93 Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Glu Gly
94 145            150            155            160
96 Lys Lys Gln Glu Lys Met Leu Asp
97             165
101 <210> SEQ ID NO: 3
102 <211> LENGTH: 22
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 5'-3
109 <220> FEATURE:
110 <223> OTHER INFORMATION: mouse DG001 forward primer
112 <400> SEQUENCE: 3
113 caagtaccag ttccaggctt gg                                22
116 <210> SEQ ID NO: 4
117 <211> LENGTH: 17
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 5'-3
124 <220> FEATURE:
125 <223> OTHER INFORMATION: mouse DG001 reverse primer
127 <400> SEQUENCE: 4
128 gctcgcttca ggctgcc                                17

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131 <210> SEQ ID NO: 5

132 <211> LENGTH: 30

133 <212> TYPE: DNA

134 <213> ORGANISM: Artificial Sequence

136 <220> FEATURE:

137 <223> OTHER INFORMATION: Description of Artificial Sequence: probe

139 <220> FEATURE:

140 <223> OTHER INFORMATION: mouse DG001 Taqman probe

142 <400> SEQUENCE: 5

143 tgacctcaat accgccttga agaccagaac

30

VERIFICATION SUMMARY

DATE: 08/10/2006

PATENT APPLICATION: US/10/564,769

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Input Set : A:\PTO.RJ.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date